What is claimed is:

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 A redundant power supply wirelessly connected to motherboard, using a card insertion mode to wirelessly connect at least two power supplies and a motherboard for main computation and control, comprising:

a rear panel disposed at the rear of a power supply, wherein the structure of the rear panel includes a first component disposed on the rear panel of the power supply for electrically connecting the power supply, a second component disposed on the rear panel of the power supply, and a third component for electrically connecting to the second component with the connection specification compatible with the second component, whereby the foregoing components constituting a redundant power supply requiring no wire material for its connection.

- 15 2. The redundant power supply wirelessly connected to motherboard of claim 1, wherein said first component is in a port and slot mode.
- The redundant power supply wirelessly connected to motherboard of claim 1, wherein said second component is in a gold finger mode.
 - 4. The redundant power supply wirelessly connected to motherboard of claim 1, wherein said third component is in a port and slot mode.
- 5. The redundant power supply wirelessly connected to motherboard of claim 1, wherein said rear panel further

comprises a fourth component for connecting to a compatible circuit board, and said circuit board has one or more power connectors.

- 6. The redundant power supply wirelessly connected to
 motherboard of claim 1, wherein said power supply is vertically
 and electrically coupled to said rear panel.
 - 7. The redundant power supply wirelessly connected to motherboard of claim 1, wherein said motherboard is horizontally and electrically coupled to said rear panel.
- 10 8. The redundant power supply wirelessly connected to motherboard of claim 1, wherein said casing for accommodating said redundant power supply comprises:

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- a main rack, including a front panel, a rear panel, and a bottom panel, and two side panels defining an upper space and a lower space, and a plurality of accessing spaces being defined by tracks in said upper space and lower space for accommodating a plurality of data storage units and power supplies, and a fixing plate having a fixing pillar being bent from the inner edge of two side panels;
- a secondary rack, having a fixing plate disposed on two sides coupled to two sides panels and being bent and extended from said lower space, and a fixing pillar disposed on said secondary rack for coupling to a rear panel with an installed power supply; an upper partition, installed above said two side panels, and an insert opening disposed on said upper partition at the position of

said fixing plate of said two side panels, such that the motherboard being inserted from the insert opening to couple said rear panel and mounted on said fixing pillar of said fixing plate; by mean of a first component disposed on the rear panel of said power supply for electrically connecting each power supply, a second component disposed on the rear panel of said power supply, and a third component for electrically connecting to said second component with the connection specification compatible with said second component, a redundant power supply being constituted without requiring any wire material for its connection.

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9. The redundant power supply wirelessly connected to motherboard of claim 8, wherein said secondary rack comprises a fixing hole and a protruded fixing pillar disposed on said bottom panel corresponding to the position of said fixing hole.